

**DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION**

//////  
As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

**X PATH CONTAINMENT FOR INDEX AND MATERIALIZED VIEW MATCHING**

the specification of which is:



attached hereto



was filed on \_\_\_\_\_  
as United States Application Number or PCT International Application Number \_\_\_\_\_  
and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR §1.56.

I hereby claim foreign priority benefits under 35 USC §119(a-d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s): ☐

Priority Not Claimed: ☒

\_\_\_\_\_  
(Number)

\_\_\_\_\_  
(Country)

\_\_\_\_\_  
(Day/Month/Year Filed)

**Power of Attorney:**

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Daniel E. Johnson (#37,033)  
Marc D. McSwain (#44,929)  
Leonard T. Guzman (#46,308)  
Mark C. McCabe (#53,291)  
Thirumal R. Coca (#29,784)

**DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION**

Address all telephone calls to:

Address all correspondence to:

**MARC D. MCSWAIN**  
(408) 927-3364

**MARC D. MCSWAIN**  
IBM Corporation Almaden Research Center  
Intellectual Property Law  
C4TA/J2B  
650 Harry Road  
San Jose, California 95120-6099

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor: **Andrey L. Balmin**

Inventor's signature:

Date:

Residence: **10639 Caminito Manso, San Diego CA 92126**

Citizenship: **USA**Post Office Address: **SAME**

Full name of second inventor: **Kevin S. Beyer**

Inventor's signature:

Date:

Residence: **396 Palm Ridge Lane, San Jose CA 95123**

Citizenship: **USA**Post Office Address: **SAME**

Full name of third inventor: **Roberta Jo Cochrane**

Inventor's signature:

Date:

Residence: **52 Chester Street, Los Gatos CA 95030**

Citizenship: **USA**Post Office Address: **SAME**

[illegible]

**Full name of fourth inventor: Fatma Ozcan**

**Inventor's signature:**

Date:

Residence: **1035 Coleman Rd., Apt 7308, San Jose CA 95123**

**Citizenship:** **Turkey**

Post Office Address: **Same**

[illegible]

**Full name of fifth inventor: Mir Hamid Pirahesh**

**Inventor's signature:**

Date:

**Residence: 1282 Quail Creek Cir. San Jose CA 95120**

Citizenship: **USA**

Post Office Address: **SAME**

**Full name of sixth inventor:**

Inventor's signature:

Date:

Residence:

**Citizenship:**

Post Office Address:

[illegible]

**Full name of seventh inventor:**

Inventor's signature:

Date:

**Residence:**

**Citizenship:**

**Post Office Address:**